Course Name: Knowledge Engineering  
Course Code: CPT445  
Prerequisite: CPT440  
Credit Units: 3 1 0 3

Course Description:
This course familiarizes students with the different knowledge extraction methods and its representation techniques as well as knowledge engineering. It also introduces the different basic artificial intelligence theories that qualify the students to understand the contents of the course.

Course Contents:
1. Defining the concept of knowledge and its types.
2. Systems engineering and knowledge management.
4. Representation and structure of knowledge.
5. Citation and commentary.
6. Tools to build knowledge systems.
7. Implementing knowledge systems.
8. Knowledge Maintenance.

Course Outcomes:
1. To understand the theories and techniques of knowledge management.
2. To develop the ability to effectively organize and manage knowledge resources in organization.
3. To design and implement knowledge management systems.
4. To understand and practice on knowledge management tools and applications.

Textbook:

Extra Reference:

This course familiarizes students with the different knowledge extraction methods and its representation techniques as well as knowledge engineering. It also introduces the different basic artificial intelligence theories that qualify the students to understand the contents of the course.